

**IN THE CLAIM:**

Please amend the claims to read as follows:

1. (Original) A method of filtering time series data comprising the steps of:
  - testing said data for decimal error;
  - testing said data for scaling error;
  - testing said data for domain error;
  - testing for credibility of said data that passes the tests for decimal error, scaling error and domain error by comparing nearby data in the time series.
2. (New) The method of claim 1 further comprising the step of detecting a monotonic series of quotes.
3. (New) The method of claim 1 further comprising the step of detecting a long series of repeated quotes.
4. (New) The method of claim 1 wherein the step of testing said data for decimal error comprises the step of testing if an absolute value of a difference between a new quote and a previous quote is close to a power of ten.
5. (New) The method of claim 4 wherein the step of testing said data for decimal error further comprises the step of testing if a time interval between the new quote and the previous quote is less than a predetermined time.
6. (New) The method of claim 5 wherein the predetermined time is 70 minutes.
7. (New) The method of claim 1 wherein the step of testing for decimal error comprises the steps of:
  - computing a corrected quote, and
  - testing the corrected quote for validity.

8. (New) The method of claim 1 wherein the step of testing for decimal error comprises the steps of:
  - computing a corrected quote,
  - testing the corrected quote for credibility, and
  - comparing the credibility of the corrected quote with the credibility of the original quote.
9. (New) The method of claim 1 wherein the step of testing said data for domain error comprises the step of testing for an illegal level of the time series data.
10. (New) The method of filtering time series data of claim 1 wherein a quote is tested relative to a series of quotes within a time window.
11. (New) A method of filtering time series data comprising the steps of:
  - testing said data for decimal error, and
  - testing for credibility of said data by comparing nearby data in the time series.
12. (New) The method of claim 11 further comprising the step of testing said data for at least one of scaling error and domain error.
13. (New) The method of claim 11 further comprising the step of detecting a monotonic series of quotes.
14. (New) The method of claim 11 further comprising the step of detecting a long series of repeated quotes.
15. (New) The method of claim 11 wherein a quote is tested relative to a series of quotes within a time window.

16. (New) The method of claim 11 wherein the step of testing said data for decimal error comprises the step of testing if an absolute value of a difference between a new quote and a previous quote is close to a power of ten.

17. (New) The method of claim 11 wherein the step of testing said data for decimal error further comprises the step of testing if a time interval between the new quote and the previous quote is less than a predetermined time.

18. (New) The method of claim 11 wherein the step of testing for decimal error comprises the steps of:

computing a corrected quote, and  
testing the corrected quote for validity.

19. (New) The method of claim 11 wherein the step of testing for decimal error comprises the steps of:

computing a corrected quote,  
testing the corrected quote for credibility, and  
comparing the credibility of the corrected quote with the credibility of the original quote.